

WHAT IS CLAIMED IS:

1. A homogeneous roofing and siding adhesive composition suitable for bonding a non-polymeric substrate member to a polymeric capping member which comprises a 60 to 75% solids mixture of
 - (a) between about 0.5 and about 15 wt.% of a thermosetting styrene/isoprene/styrene block polymer containing up to 90% styrene;
 - (b) between about 13 and about 30 wt.% aromatic hydrocarbon solvent containing from about 5 to about 20 wt.% aliphatic hydrocarbon;
 - (c) between about 29 and about 70 wt.% non-blown asphalt optionally containing a minor amount of blown asphalt;
 - (d) between about 1 and about 10 wt.% metal silicate;
 - (e) between about 0.1 and about 5 wt.% of a C₆ to C₁₆ alkoxyalkyl amine substituted ester of a C₂ to C₁₂ carboxylic acid;
 - (f) from 0 to about 30 wt.% anhydrous inorganic filler;
 - (g) from 0 to about 10 wt.% reinforcing fibers;
 - (h) from 0 to about 5 wt.% water and
 - (i) from 0 to about 5 wt.% thermoplastic latex.

2. The adhesive of claim 1 wherein the composition contains between about 1 and about 4 wt.% (g).

3. The adhesive of claim 1 wherein the composition contains, by weight, between about 1.5 and about 8 % (a) block polymer containing 70-85% styrene; between about 15 and about 22% solvent (b); between about 25 and about 55% asphalt (c); between about 6 and about 7% metal silicate (d); between about 0.3 and about 1.5% surfactant (e); between about 2 and about 10% filler (f) and between about 1 and about 4% reinforcing fibers (g).

4. The adhesive of claim 1 wherein the weight ratio of (b) to (c) is 1:1.3-4.

5. The adhesive of claim 1 having a Brookfield viscosity of from about 60 to about 140 cps.

6. The adhesive of claim 1 wherein said solvent of (b) is a mixture of 60-90 wt.% aromatic and 10-40 wt.% C₆ to C₈ aliphatic hydrocarbon.

7. The adhesive of claim 6 wherein said aromatic is naphtha.

8. The adhesive of claim 1 wherein surfactant (e) is cationic.

9. The adhesive of claim 8 wherein said surfactant is isodecyloxypropyl amino acetate.

10. The adhesive of claim 2 wherein said reinforcing fibers are cellulose fibers having an average length of from about 0.02 to about 1.5 mm.

11. The adhesive of claim 1 wherein said metal silicate is magnesium silicate.

12. The adhesive of claim 1 which is a field adhesive of between about 60 and about 70% solids.

13. The adhesive of claim 1 which is a lap adhesive of between about 65 and about 70% solids.

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14. The adhesive of claim 1 which is a trowel adhesive of between about 70 and about 75% solids.

15. A process for preparing the adhesive composition of claim 1 which comprises:

(i) mixing components (a), (b) and optionally a portion or all of component (c) at ambient temperature in a high speed mixer until a homogeneous liquid is obtained;

(ii) separately blending any remaining portion of (c) and the remaining components of claim 1 in a low speed mixer until the components are uniformly distributed;

(iii) adding the homogeneous liquid to the uniformly blended mixture with gentle agitation at ambient temperature to recover a homogeneous, spreadable adhesive product..

16. A roofing or siding membrane having at least a portion of its surface coated in a thickness of between about 0.1 and about 50 mils with the adhesive composition of claim 1.

17. The membrane of claim 16 wherein said membrane has at least one marginal boundary portion coated with said adhesive in an area effective to adhere to a corresponding marginal boundary portion of a successive membrane.

18. The membrane of claim 16 wherein said membrane is coated over at least one of its upper and lower surfaces with said adhesive to adhesively bind said coated membrane to an adjacent membrane.

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19. The process which comprises coating at least a portion of a roofing or siding membrane with the adhesive composition of claim 1 in a thickness of between about 0.1 and about 50 mils and allowing the adhesive composition to cure at ambient temperature.

20. The process of claim 19 wherein said adhesive composition is cured at a temperature of between about 40° and about 100°F in the absence of applied heat.

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